

Supplementary File 2: Assessment of methodological quality (qualitative and quantitative studies) (n=16)

Authors	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	%
Greely, et al., 2013	Y	Y	Y	Y	Y	N	N	Y	Y	Y	80%
Gwata, 2009	Y	Y	Y	Y	Y	N	N	Y	U	Y	70 %
Kelly, et al., 2012	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	90%
Lagarde, et al., 2003	Y	Y	Y	Y	Y	Y	Y	Y			100%
Malisha, et al., 2008	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	90%
Mavundla et al., 2009	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	90%
Mavundla, et al., 2010	Y	Y	Y	Y	Y	N	N	Y	Y	Y	80 %
Mboera, et al., 2009	Y	Y	Y	Y	Y	Y	N	Y			87%
Mpateni, et al., 2020	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	90%
Mshana, et al., 2011	Y	Y	Y	Y	Y	N	N	Y	Y	Y	80%
Nyembezi, et al., 2009	Y	Y	Y	Y	Y	Y	Y	Y			100%
Nyembezi, et al., 2014	Y	Y	Y	Y	Y	Y	Y	Y			100%
Peltzer, et al., 2009	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100%
Amir, et al., 2012	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	90%
Shi, et al., 2020	Y	Y	Y	Y	Y	Y	Y	Y			100%
Siweya, et al., 2018	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	90%

Q= Question; Y= Yes; N= No; U= Unclear

The 2011 Mixed Method studies checklist (n=2)

Category of study	Methodological quality criteria	Responses		
		Yes	No	Can't tell
Douglas, et al., 2018				
Screening questions	Are there clear qualitative and quantitative research questions (or objectives), or a clear mixed methods question (or objective)?	Yes		
	Do the collected data allow address the research question (objective)? E.g., consider whether the follow-up period is long enough for the outcome to occur (for longitudinal studies or study components).	Yes		
1. Qualitative	1.1 Are the sources of qualitative data (archives, documents, informants, observations) relevant to address the research question (objective)?	Yes		
	1.2 Is the process for analyzing qualitative data relevant to address the research question (objective)?	Yes		
	1.3 Is appropriate consideration given to how findings relate to the context, e.g., the setting, in which the data were collected?	Yes		
	1.4 Is appropriate consideration given to how findings relate to researchers' influence, e.g., through their interactions with participants?	Yes		
	1.5. Is there coherence between qualitative data sources, collection, analysis and interpretation?	Yes		
2. Quantitative	2.1 Is the sampling strategy relevant to address the quantitative research question (quantitative aspect of the mixed methods question)?	Yes		
	2.2 Is the sample representative of the population understudy?			Can't tell
	2.3 Are measurements appropriate (clear origin, or validity known, or standard instrument)?	Yes		
	2.4. Is the statistical analysis appropriate to answer the research question (or objectives)?	Yes		
3. Mixed methods	3.1 Is the mixed methods research design relevant to address the qualitative and quantitative research questions (or objectives), or the qualitative and quantitative aspects of the mixed methods question (or objective)?	Yes		
	3.2 Is the integration of qualitative and quantitative data (or results) relevant to address the research question (objective)?	Yes		
	3.3 Is appropriate consideration given to the limitations associated with this integration, e.g., the divergence of qualitative and quantitative data (or results) in a triangulation design?	Yes		
	Overall	Yes		

Category of study	Methodological quality criteria	Responses		
		Yes	No	Can't tell
Munthali, et al., 2007				
Screening questions	Are there clear qualitative and quantitative research questions (or objectives), or a clear mixed methods question (or objective)?	Yes		
	Do the collected data allow address the research question (objective)? E.g., consider whether the follow-up period is long enough for the outcome to occur (for longitudinal studies or study components).	Yes		
1. Qualitative	1.1 Are the sources of qualitative data (archives, documents, informants, observations) relevant to address the research question (objective)?	Yes		
	1.2 Is the process for analyzing qualitative data relevant to address the research question (objective)?	Yes		
	1.3 Is appropriate consideration given to how findings relate to the context, e.g., the setting, in which the data were collected?	Yes		
	1.4 Is appropriate consideration given to how findings relate to researchers' influence, e.g., through their interactions with participants?	Yes		
	1.5. Is there coherence between qualitative data sources, collection, analysis and interpretation?	Yes		
2. Quantitative	2.1 Is the sampling strategy relevant to address the quantitative research question (quantitative aspect of the mixed methods question)?	Yes		
	2.2 Is the sample representative of the population understudy?			Can't tell
	2.3 Are measurements appropriate (clear origin, or validity known, or standard instrument)?	Yes		
	2.4. Is the statistical analysis appropriate to answer the research question (or objectives)?	Yes		
3. Mixed methods	3.1 Is the mixed methods research design relevant to address the qualitative and quantitative research questions (or objectives), or the qualitative and quantitative aspects of the mixed methods question (or objective)?	Yes		
	3.2 Is the integration of qualitative and quantitative data (or results) relevant to address the research question (objective)?	Yes		
	3.3 Is appropriate consideration given to the limitations associated with this integration, e.g., the divergence of qualitative and quantitative data (or results) in a triangulation design?	Yes		
	Overall	Yes		

